1. INTRODUCTION

On behalf of Goodrich Aerostructures Group (Goodrich), Haley & Aldrich, Inc. (Haley & Aldrich) has prepared this report summarizing environmental investigations conducted on a portion of the Goodrich facility located at 8200 Arlington Avenue, in Riverside, California (Site). Figure 1 presents the Site Locus. The work summarized herein was performed between September 2005 and July 2006 in the south-central portion of the Site. Figure 2 presents the Site Plan and investigation area.

Haley & Aldrich is in the process of designing and installing an in-situ chemical oxidation barrier near the Anza Channel to mitigate volatile organic compound (VOC)-affected groundwater. An assessment was performed to identify potential sources and potential impact of chromium on the operation and effectiveness of the chemical oxidation barrier.

Consequently, the Santa Ana Regional Water Quality Control Board (SARWQCB) requested that Goodrich further evaluate hexavalent chromium (CrVI) sources in the vicinity of the Anza Channel in soil and groundwater at the Site. The area investigated includes the "Hoffman" parcel, designated Parcel 290, formerly owned by C.A. Hoffman & Sons, and the adjacent area, as shown on Figure 2. This area was identified based on elevated chromium concentrations detected in groundwater proximate to the proposed barrier.

This report summarizes Goodrich's investigation of potential chromium sources associated with prior detections of CrVI in groundwater in the vicinity of the Anza Channel and former Hoffman Parcel. The work described herein was conducted based on the chromium assessment work plan and subsequent addenda, which include:

- Chromium Source Area Assessment Work Plan (Work Plan), Goodrich Aerostructures Facility, 8200 Arlington Avenue, Riverside, California, prepared by Haley & Aldrich and dated 13 June 2005
- Work Plan Addendum No. 1, Letter summarizing the additional sampling of two monitoring wells and other work plan modifications, prepared by Haley & Aldrich and dated 21 June 2005
- Work Plan Addendum No. 2, Letter summarizing the scope of proposed additional step-out borings and monitoring wells to locate the potential chromium source area, prepared by Haley & Aldrich and dated 10 March 2006

1.1 Site History

The Goodrich facility (shown on Figures 1 and 2) was used for various purposes. These uses include:

- Prior Goodrich Occupancy: Prior to the 1940s, the Site area was principally used for agriculture and farming. The Site and surrounding land were acquired by the Department of the Army during World War II and used as Camp Anza.
- Goodrich Occupancy: In 1952, Rohr (later Goodrich) purchased a portion of the Camp Anza facility and developed the property for aircraft component manufacturing. Figure 2 depicts the facility layout, including its boundaries, existing buildings, and the orientation of the Anza Channel.



Former Occupancy of Parcel 290: C.A. Hoffman & Sons Leather and Canvas Products (Hoffman) operated on Parcel 290 located at 8233 Cypress Avenue, at the south-central boundary of the Goodrich facility. The approximate limits of Parcel 290 are shown on Figure 2. Hoffman manufactured leather goods from 1953 through 1986; however, it remains unclear whether Hoffman operated a tannery at the Site, or simply manufactured leather goods from leather stock purchased from off-Site suppliers. Tannery operations commonly use chromium in the tanning process. The investigation scope was designed to investigate the Hoffman Parcel and adjacent area for evidence of a chromium source related to past operations. Rohr acquired the Hoffman Parcel in the late 1980s.

1.2 Site Geology

The geology below the Goodrich facility consists of surficial alluvial deposits underlain by igneous bedrock. The upper portion of the bedrock is heavily weathered, resulting in a zone of decomposed igneous bedrock that separates the alluvial deposits from the underlying unweathered igneous bedrock. These geologic zones are described below.

Recent Alluvium

The upper 5 to 20 feet of soil at the Goodrich facility is comprised of alluvial materials. These soils, which were deposited by the ancestral Santa Ana River system, typically consist of reddish- to yellowish-brown sands and silts with subordinate amounts of gravel and clay.

Decomposed Bedrock

A zone of relatively decomposed igneous bedrock underlies the shallow alluvium from 5 to 20 feet below ground surface (bgs) to the irregular competent bedrock surface at depths of up to 90+ feet bgs. The decomposed granitic bedrock can be distinguished from the overlying alluvium by an increase in density (often indicated by greater drilling resistance) and by an angular grain texture indicating a lack of alluvial weathering processes. The decomposed bedrock is typically light-brown to light-gray in color and consists of highly angular, well-graded sand- to gravel-sized particles, with lesser amounts of silt and clay-sized material.

Competent Bedrock

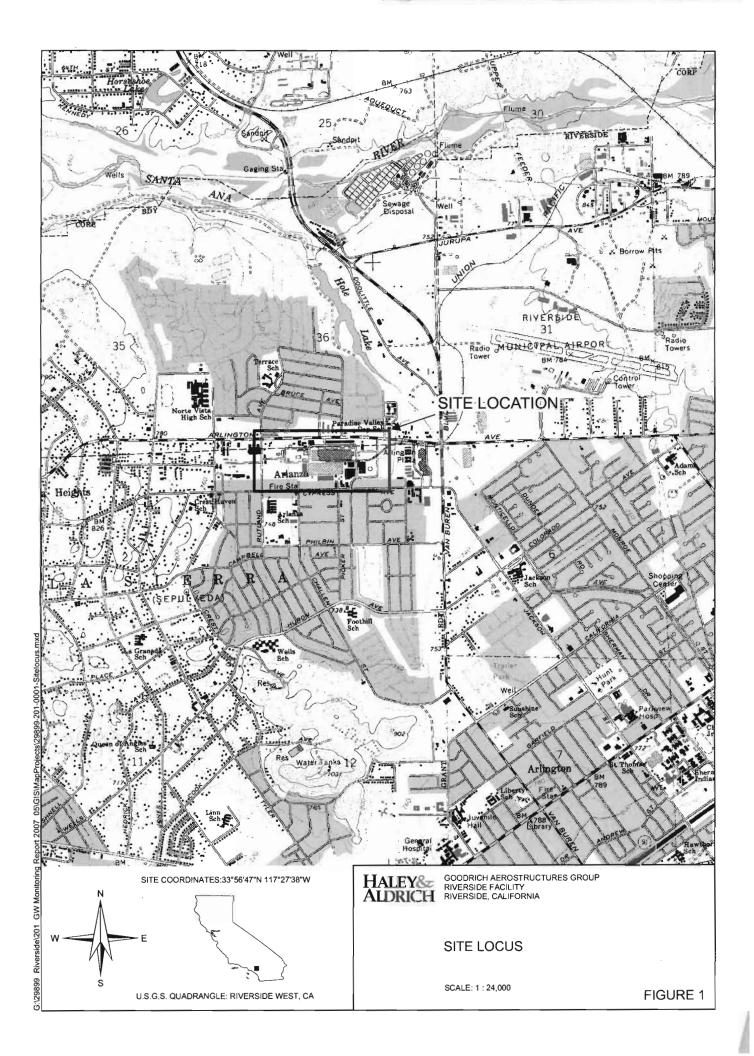
The zone of decomposed bedrock is underlain by relatively competent crystalline bedrock at varying depths across the Site. The top of competent bedrock beneath the Goodrich facility is characterized as an irregular surface, although it more accurately represents a lack of decomposition of the igneous bedrock. The bedrock may be fractured based on an aquifer test conducted by ERM (ERM, 1997).

1.3 Site Hydrogeology

Groundwater below the Goodrich facility occurs at a depth of approximately 8 to 12 feet bgs under unconfined conditions. Groundwater monitoring wells at the Goodrich facility are screened across the alluvium and decomposed bedrock zone.

The groundwater velocity at the Site varies from west to east. The groundwater velocity for the western portion of the Site ranges from 30 to 50 feet per year. Groundwater velocity for





1. INTRODUCTION

Haley & Aldrich, Inc. (Haley & Aldrich) has prepared this groundwater monitoring report on behalf of the Goodrich Aerostructures Group (Goodrich) for the Goodrich Riverside Facility (Site) in Riverside, California. Groundwater monitoring is conducted at the Site according to the 2008 Sitewide Integrated Well Sampling and Management Work Plan (Haley & Aldrich, 2008) submitted to the California Regional Water Quality Control Board, Santa Ana Region. The Site location is shown on Figure 1; a site plan showing monitoring well locations is shown on Figure 2.

This report summarizes the 2008 annual groundwater monitoring event conducted in March and April 2008. Additional groundwater sampling data summarized in this report include the three in-situ chemical oxidation (ISCO) barrier remediation system performance monitoring groundwater sampling events conducted between October 2007 and March 2008, the quarterly groundwater monitoring event conducted in December 2007, and the groundwater sampling associated with the groundwater assessment program conducted between December 2007 and February 2008.

1.1 Site Description

The Site is comprised of approximately 75 acres of active manufacturing operations, equipment storage areas, and parking lots within a mixed commercial, industrial, and residential portion of Riverside, California (Figure 1).

1.2 Site Geology and Hydrogeology

The Site geology is generally described as silty sand from the ground surface to approximately 6 to 20 feet (ft) below ground surface (bgs), decomposed igneous rock from approximately 6 to 20 ft bgs to approximately 55 to greater than 120 ft bgs, and relatively competent crystalline bedrock below 55 ft to greater than 120 ft bgs. The top of competent bedrock beneath the Site is characterized as an irregular surface.

Groundwater below the Site occurs at a depth of approximately 5 to 12 ft bgs. The uppermost groundwater zone is unconfined. Site groundwater flows toward the Anza Channel. Most of the Site monitoring wells are screened in the alluvium and decomposed bedrock zone. The groundwater velocity in the western portion of the Site ranges from 30 to 50 ft per year. Groundwater velocity in the eastern portion of the Site near the Anza Channel is estimated to range from 15 to 30 ft per year (Haley & Aldrich, 2004).



Composites-By-Design



Advanced Composite Processes



The Manufacturing Process

The feature common to all polymeric composite processes is the combining of a resin, a curing agent, some type of reinforcing fiber, and in some cases a solvent. Typically, heat and pressure are used to shape and "cure" the mixture into a finished part. In composites, the resin acts to hold the fibers together and protect them, and to transfer the load to the fibers in the fabricated composite part. The curing agent, also known as hardener, acts as a catalyst and helps in curing the resin to a hard plastic. The reinforcing fiber imparts strength and other required properties to the composite.

Major Processes

Diagrams of the major processes used in the advanced composites industry are shown below. The processes vary widely in type of equipment used. Several of the processes are automated; however, some are manual and require worker contact with the part during manufacture. The basic process types are described below.

<u>Formulation</u> is the process where the resin, curing agent, and any other component required are mixed together. This process may involve adding the components manually into a small mixing vessel or, in the case of larger processes, the components may be pumped into a mixing vessel.

<u>Prepregging</u> is the process where the resin and curing agent mixture are impregnated into the reinforcing fiber. These impregnated reinforcements (also known as prepregs) take three main forms: woven fabrics, roving, and unidirectional tape. Fabrics and tapes are provided as continuous rolls in widths up to 72 inches and lengths up to several hundred feet. The fabric or tape thickness constitutes one ply in the construction of a multi-ply lay-up. Impregnated roving is wound onto cores or bobbins and is used for filament winding. Once the resin mixture has been impregnated onto the fibers, the prepreg must be stored in a refrigerator or freezer until ready for use in the manufacturing process. This cold storage prevents the chemical reaction from occurring prematurely. Prepreg materials are used widely in the advanced composite industry, particularly in aircraft and aerospace.

Open Molding processes are those where the part being manufactured is exposed to the atmosphere. The worker typically handles the part manually, and there is a higher potential for exposure. The resin mixture may be a liquid being formed onto a reinforcing material or it may be in the form of a prepreg material being formed for final cure.

Closed Molding processes are those in which all or part of the manufacture takes place in a closed vessel or chamber. The

liquid resin mixture or prepreg material may be handled or formed manually into the container for the curing step. In the case of liquid resin mixtures, these may be pumped into the container, usually a mold of some type, for the curing step. T

<u>Sequential or batch</u> processes involve manufacture of a single part at a time, in sequence. This type of process is usually required where the part being made is small and complex in shape, when the curing phase is critical, when finishing work must be minimized, or where a small number of parts is involved.

<u>Continuous</u> processes are typically automated to some degree and are used to produce larger numbers of identical parts relatively quickly. These processes are typified by pumping of the resin mixture into the mold, followed by closed curing.

Polymer Matrix Composites

Advanced composites exhibit desirable physical and chemical properties that include light weight coupled with high stiffness and strength along the direction of the reinforcing fiber, dimensional stability, temperature and chemical resistance, flex performance, and relatively easy processing. Advanced composites are replacing metal components in many uses, particularly in the aerospace industry.

Resins

The resin systems used to manufacture advanced composites are of two basic types: thermosetting and thermoplastic. Thermosetting resins predominate today, while thermoplastics have only a minor role in advanced composites manufacture.

Thermosets

Thermoset resins require addition of a curing agent or hardener and impregnation onto a reinforcing material, followed by a curing step to produce a cured or finished part. Once cured, the part cannot be changed or reformed, except for finishing. Some of the more common thermosets include:

- epoxies
- polyurethanes
- phenolic and amino resins
- bismaleimides (BMI, polyimides)
- polyamides

Of these, epoxies are the most commonly used in today's PMC industry. Epoxy resins have been in use in the industry for over 40 years. The basic epoxy compounds most commonly used in industry are the reaction product of epichlorohydrin and bisphenol-A. Epoxy compounds are also referred to as glycidyl compounds. There are several types of epoxy compounds including glycidyl ethers (or diglycidyl ethers), glycidyl esters, and glycidyl amines. Several of these compounds are reactive diluents and are sometimes added to the basic resin to modify performance characteristics. The epoxy molecule can also be expanded or cross-linked with other molecules to

form a wide variety of resin products, each with distinct performance characteristics. These resins range from low-viscosity liquids to high-molecular weight solids. Typically they are high-viscosity liquids.

The second of the essential ingredients of an advanced composite system is the curing agent or hardener. These compounds are very important because they control the reaction rate and determine the performance characteristics of the finished part. Since these compounds act as catalysts for the reaction, they must contain active sites on their molecules.

Some of the most commonly used curing agents in the advanced composite industry are the aromatic amines. Two of the most common are 4,4'-methylene-dianiline (MDA) and 4,4'-sulfonyldianiline (DDS). Less hazardous curing agents have been introduced into the industry as MDA has been phased out.

Several other types of curing agents are also used in the advanced composite industry. These include aliphatic and cycloaliphatic amines, polyaminoamides, amides, and anhydrides. Again, the choice of curing agent depends on the cure and performance characteristics desired for the finished part.

Polyurethanes are another group of resins used in advanced composite processes. These compounds are formed by reacting the polyol component with an isocyanate compound, typically toluene disocyanate (TDI); methylene disocyanate (MDI) and hexamethylene disocyanate (HDI) are also widely used.

Phenolic and amino resins are another group of PMC resins. They are used extensively in aircraft interiors because of their exceptional low smoke and heat release properties in the event of a fire.

The bismaleimides and polyamides are relative newcomers to the advanced composite industry and are used for high temperature applications.

Thermoplastics

Thermoplastics currently represent a relatively small part of the PMC industry. They are typically supplied as nonreactive solids (no chemical reaction occurs during processing) and require only heat and pressure to form the finished part. Unlike the thermosets, the thermoplastics can usually be reheated and reformed into another shape, if desired.

Reinforcements

Fiber reinforcement materials are added to the resin system to provide strength to the finished part. The selection of reinforcement material is based on the properties desired in the finished product. These materials do not react with the resin but are an integral part of the advanced composite system.

Three basic types of fiber reinforcement materials in use in the advanced composite industry are:

- carbon/graphite
- aramid
- · glass fibers

Fibers used in advanced composite manufacture come in various forms, including:

- yarns
- rovings
- chopped strands
- woven fabric
- mats

Each of these has its own special application. When prepreg materials are used in parts manufacture, woven fabric or mats are required. In processes such as filament wet winding or pultrusion, yarns and rovings are used.

The most commonly used reinforcement materials are carbon/graphite fibers. (The terms graphite and carbon are often used interchangeably.) This is due to the fact that many of the desired performance characteristics require the use of carbon/graphite fibers. Currently, these fibers are produced from three types of materials known as precursor fibers:

- polyacrylonitrile (PAN)
- rayon
- petroleum pitch

The carbon/graphite fibers are produced by the controlled burning off of the oxygen, nitrogen, and other noncarbon parts of the precursor fiber, leaving only carbon in the fiber. Following this burning off (or oxidizing) step, the fibers are run through a furnace to produce either carbon or graphite fibers. Carbon fibers are produced at furnace temperatures of 1,000-2,000° C, while graphite fibers require temperatures of 2,000-3,000° C. At these temperatures the carbon atoms in the fibers are rearranged to impart the required characteristics to the finished fiber. The PAN-based fiber is the more commonly used precursor in the advanced composite industry today.

Aramid fibers are another human-made product. These fibers are produced by manufacturing the basic polymer, then spinning it into either a paper-like configuration or into fiber. Aramid fibers have several useful characteristics:

- high strength and modulus
- temperature stability
- flex performance
- dimensional stability
- chemical resistance
- textile processibility

Textile (continuous filament) glass fibers are the type used in composite reinforcement. These fibers differ from the wool type in that they are die-drawn rather than spun.

A number of solvents are used in the advanced composites industry. These may be introduced into the workplace in three basic ways:

- · as part of the resin or curing agent
- · during the manufacturing process
- · as part of the cleanup process

Description of Processes

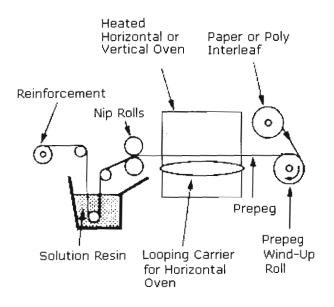
A brief description of each process follows.

Resin Formulation

Resin formulation consists of mixing epoxy or other resins with other ingredients to achieve desired performance parameters. These ingredients may be curing agents, accelerators, reactive diluents, pigments, etc.

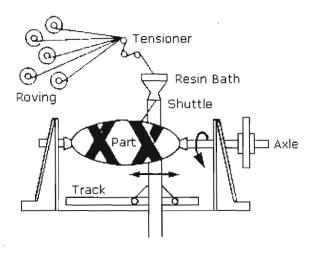
Prepregging

Prepregging involves the application of formulated resin products, in solution or molten form, to a reinforcement such as carbon, fiberglass or aramid fiber or cloth. The reinforcement is saturated by dipping through the liquid resin. In an alternate method called a Hot Melt Process the resin is impregnated through heat and pressure. The Hot Melt System uses resins with a very low percentage of solvents.



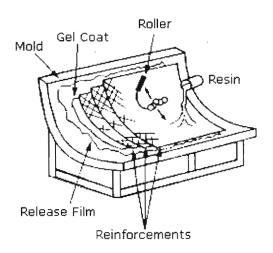
Wet Filament Winding

In the filament wet winding process, continuous fiber reinforcement materials are drawn through a container of resin mixture and formed onto a rotating mandrel to achieve the desired shape. After winding, the part is cured in an oven. This process can also used preimpregnated fiber tows called towpregs.



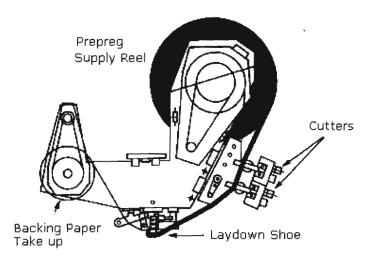
Hand Lay-up of Prepreg

The prepreg product is trimmed and laid down over a mold where it is formed to the desired shape. Several layers may be required. After forming, a vacuum bag is sealed around the lay-up. Vacuum is pulled on the raw prepreg to remove air, compact the part and serve as a barrier when the assembly is placed in an autoclave for cure under heat and pressure. Oven cures (under vacuum only) may be used for non-structural parts.



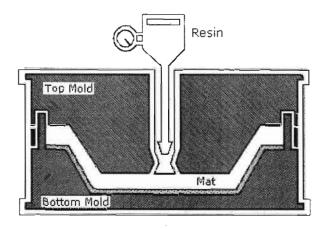
Automated Tape Placement

In this process, the prepreg tape material is fed through an automated tape application machine (robot). The tape is applied across the surface of a mold in multiple layers by the preprogrammed robot.



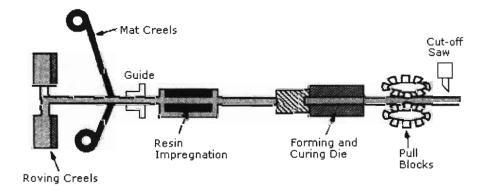
Resin Transfer Molding

Resin transfer molding is used when parts with two smooth surfaces are required or when a low-pressure molding process is advantageous. Fiber reinforcement fabric or mat is laid by hand into a mold and resin mixture is poured or injected into the mold cavity. The part is then cured under heat and pressure.



Pultrusion

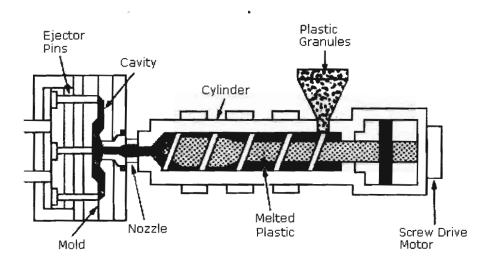
In the pultrusion process, continuous roving strands are pulled from a creel through a strand-tensioning device into a resin bath. The coated strands are then passed through a heated die where curing occurs. The continuous cured part, usually a rod or similar shape, is then cut to the desired length.



Injection Molding

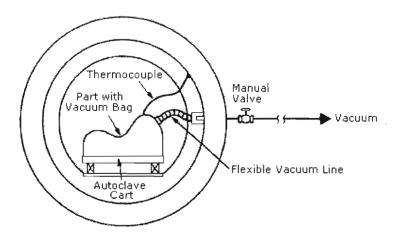
One of the older plastics processes, injection molding is also the most closed process. It is not normally used in PMC processes due to fiber damage in the plasticating barrel. Thermoplastic granules are fed via a hopper into a screw-like plasticating barrel

where melting occurs. The melted plastic is injected into a heated mold where the part is formed. This process is often fully automated.



Vacuum Bagging, Autoclave Cure

Most parts made by hand lay-up or automated tape lay-up must be cured by a combination of heat, pressure, vacuum, and inert atmosphere. To achieve proper cure, the part is placed into a plastic bag inside an autoclave. A vacuum is applied to the bag to remove air and volatile products. Heat and pressure are applied for curing. Usually an inert atmosphere is provided inside the autoclave through the introduction of nitrogen or carbon dioxide. Exotherms may occur if the curing step is not done properly.



Machining Finishing

Most of the parts made in PMC processes require some machining and/or finishing work. This traditionally involves drilling, sanding, grinding, or other manual touch-up work. These processes vary widely, depending on the size of the finished part and the amount of finishing work required and often require complex drill & trim fixtures. For high performance aerospace structures, these operations may be performed on CNC machining centers.

Field Repair

Repair of damaged PMC parts is frequently required. The process may consist of several steps including cutting out of the damaged material, depainting of the surface to be repaired, patching and sanding of the damaged area, and repainting of the repaired area. Heater blankets and portable vacuum systems are often used following an approved repair process specification.

Source: OSHA Technical Manual SECTION III, Chapter 1, POLYMER MATRIX MATERIALS: ADVANCED COMPOSITES

Composites Primer Composite Processes Composite Glossary Carbon-Carbon Metal-Matrix

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Configurate has been awarded to:

Valentine Erebor

San Diego, California

on the applicable regulations regarding the management of For successfully completing the Lion Technology Inc iazardous waste in the State of California Hazardous Waste in California Workshop

annual training mandate* for typical managers and supervisors of hazardous waste compliance activities in California. Training was conducted by Lion Technology Inc., Lafayette, NJ 07848 (973-383-0800) This workshop is designed to provide training in California-specific rules in accordance with the [Ref. 22 CCR 66262.34(a)(4) and 22 CCR 66265.16 or 22 CCR 66262.34(d)(2)

This training completed on: 11 September 2007

National Registry of Professionals - Member PIN: 028-3164
1.4 CEUs, 1.0 CHMM CM Points, 2.0 ABIH CM Points, 14 NEHA CE Contact Hours.



And Attended to This certificate has been awarded to

Guy Schmidt

at

Newport Beach, California

on the applicable regulations regarding the management of For successfully completing the Lion Technology Inc hazardous waste in the State of California. Hazardous Waste in California Workshop

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*[Ref. 22 CCR 66262.34(a)(4) and 22 CCR 66265.16 or 22 CCR 66262.34(d)(2)]

This training completed on: 8 January 2008

1.4 CEUs, 1.0 CHMM CM Points, 2.0 ABIH CM Points, 14 NEHA CE Contact Hours National Registry of Professionals - Member PIN: 700-8161



		Job Salary				
Benchmarked jobs	Job Code	Grade Band	FLSA	EEO1	Mgr Level	Description
EHS Team Leader	EH3004	9 _. WG1	: .E	Officials and Managers	Supervisor	Supervises the identifying of hazardous workplace conditions. Oversees the collection of samples and measurements of hazardous materials, and the coordination of the removal of physical, biological and chemical hazards. Supervises, participates and develops the training of employees on safety policies procedures, regulations. Ensures compliance with all applicable federal and state health and safety regulations and ensures necessary records are maintained and prepared according to established guidelines. Participates in OSHA inspections, providing inspectors with appopriate documents and identifying safety measures. Requires a bachelor's degree and 7 - 10 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required.
EHS Technician I	EH3005	·	:N	Technician	Non-manager	Assist with the management of, and compliance with, air, water, and hazardous waste issues. Provide technical assistance regarding environmental issues such as spill prevention and response, air emissions monitoring, wastewater treatment discharge, etc. Interact with regulatory agencies, customers, employees and co-workers. Associate's degree or equivalent and/or training OR equivalent combination of education and experience. Complete hazardous waste and spill control training as required.
						Assist with the management of, and compliance with, air, water, and hazardous waste issues. Provide technical assistance regarding environmental issues such as spill prevention and response, air emissions monitoring, wastewater treatment discharge, etc. Interact with regulatory agencies, customers, employees and co-workers. Associate's degree or equivalent AND three years' related experience and/or training OR equivalent combination of education and experience. Currently certified in emergency response training, Hazardous Materials Transportation training and hazardous waste
EHS Technician II	EH3006		Ν	Technician	Non-manager	management regulatory training or the ability to obtain within 90 days.

Benchmarked jobs	Job Code	Job Grade	Salary	FLSA	EEO1	Mgr Level	Description	WC Code	Comp Freq
EH&S Engineer I EH&S Engineer II	EN3159		7 WG	E	Professional	Non-Manager	Supports environmental, health and/or safety programs through prescribed procedures and under direct supervision. Serves as a resource to Company in the areas of basic EH&S compliance, engineering, hazard communication, industrial hygiene and/or industrial safety. Typically and entry-level position with less than one year of experience and a four year degree in EH&S or related area. Assists in the development of and establishment environmental, health and/or safety programs. Serves as a technical resource to Company in the areas of EH&S compliance, engineering, hazard communication, industrial hygiene and/or industrial safety. Typically requires one year of experience and a four year degree in EH&S or related area.	8810 - Office & Clerical 8810 - Office & Clerical	Annual
EH&S Engineer III	EN3161		9 WG	Ę	Professional	Non-Manager	Develops and establishes environmental, health and/or safety programs. Serves as a technical resource to Company in moderately complex areas of EH&S compliance, engineering, hazard communication, industrial hygiene and/or industrial safety. Typically requires five years of experience and a four year degree in EH&S or related area; MS and three years' experience. Responsible for coordination of complex and multi-disciplined environmental, health and/or safety programs from design to implementation in accordance with the company's policies. Serves as a technical expert the Company and other EH&S Engineers on difficult EH&S problems regarding compliance, engineering, hazard communication, industrial hygiene and/or industrial safety. Typically	8810 - Office & Clerical	Annual
EH&S Engineer IV	EN3162 : : :	1	0 WG	<u>E</u>	Professional	Non-Manager	requires eight years of experience and a four year degree in EH&S or related area or five years' experience and a master's degree in EH&S or related area. Coordinates all work within the scope of assigned projects, and ensures that objectives are met in an optimum manner and with maximum financial efficiency. Prepares EH&S documents including cost estimates, appropriation requests, project schedules, instruction specifications, purchase requisitions and technical reports. Serves as a highly technical resource to Company or other EH&S Engineers to resolve complex problems regarding compliance, engineering, hazard communication, industrial hygiene and/or industrial safety. Typically requires ten years of experience and a four year degree in		Annual
EH&S Engineer V	EN3163_	. 1	1 WG	.E	Professional	Non-Manager	EH&S or related area or eight years and a master's degree in EH&S or related area.	Office & Clerical	Annual

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PROCESS: Facility map?
Literature describing facility operations?
What do you do?

Which processes generate waste? HW? How was it determined?

How much HW is generated monthly? Where is the HW stored? SAAs?

When was the last HW pickup? Who picks it up? How often?

Composite Structure Engines to Askall
Military Work.

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Process Motel Surface High Volum

Low Solution Phosphoric Solution

Pornage 23 Paint Boots

Pry Filter # 2/3 water Curtain

Poly Lab Marking/

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	Hazardous Waste Solid (Soil, Chrome)			
	Hazardous Waste, Liquid (CA 134)			4
	Hazardous Waste, Liquid (CA 343)			
	Hazardous Waste, Liquid (Coolant)			
Non-RCRA	Hazardous Waste, Liquid (Mixed Used Oils)			
Non-RCRA	Hazardous Waste, Liquid (Oil, Water)	Sila II	astry	was Card
Non-RCRA	Hazardous Waste, Liquid (Oily Water)	U	hlititie	Carl
Non-RCRA	Hazardous Waste, Liquid (Sodium		,	
Tetraborate	e, Water)			
Non-RCRA	Hazardous Waste, Liquid (Waste Oil)			
	Hazardous Waste, Liquid (Water, Paint)			1
	Hazardous Waste, Liquid, (Ethylene Glycol)			
			6.1	1 4
	Waste, Liquid (Ethylene Glycol)	iteli	Look	and a
Non-RCRA	Waste, Liquid (Mixed Used Oil)			1
Non-Regula	ated Material (Residue Last Containing			
Oil/Coolan				1
- CO. T T.	ted Material /Residue Last Containing			
Oil/Coolant)		-		-
Maste Com Mater)	osive Liquid Basic Inorganic (Phosphoric Acid			
	osive Liquid Basic Inorganic (Sodium Hydroxide			1
Mater)	- In the state of			
	osive Liquid, Acidic Inorganic NOS			1
	ric Acid, Chromic Acid)			
	rosive Liquid, NOS (Sodium Hydroxide)	+		1
	nmable Liquid Corrosive (Paint with Amines)	 		1
	nmable Liquid Toxic			· ·
Waste Fusie		 		1
Naste Merc				1
	lizing Liquid (Ammonium Nitrate Water)	?		1
	lizing Solid (Sodium Hydochlorite)	?].
	t Related Material]
	spharic Acid Salutian			1 .
Waste Resi				1
	ium Hydraxide Solution			1
	achloroethylene	 		1
יים בוכוני	c Solid Inorganic (Lead)	+		,

INSPECTION.

dy 4- Hangar Area 41

Al Stretch For m 5/6/08

40- Pay - Filled | 535gdg

2 rd 40-day 41 SITE INSPECTION: After Stretding Mical Shondin Croq trusonic ralve Stream austones Computerized 13/M/month Completed Adonated Process Line
Actomated Anodizing

Hand Snall Parts 1/2 Cobic Yand; Paux Seal + Solveit H3- Partiallist AELDED HS pant/seal + Slicel H - Chronded Cay Every day - Couple H-4 Engly Cansolic toxIC Jour Parit Pant Filters H-6 3 Chic sold I fox rc P Greate than 55-galls Sulthis 90-das Bond Haa Spret + Bake

Adhesive potting, Prepago V2500 Form Adhesive Film Adhesives Circl PBR- Documentation. Determine Forthat Process B2500 Poly recyclin J. C.X montage

(F6-60-() Wanter HW Partin Liger a myt g Cans pand Spalat Soluti B7/312- Air Filten Wanter Solmit RBZIII bully. 1 B.g Baint

Blog 5- 6-15 Booth

Salthord Contains e

On Call Water Batch

Malt 5 Las Hood open

Acid 6 Portains

StD test ing ling insering to Centration Dates Relate A350 767

Start Listed Variation

NO Segregation of 2nd Contained

Pelon 1. Waste Painte, fag=

ACM/ Ballerals/UI

PCRS/ Chroma H.W.

LAB

10/2/07

ACM 2/5/04 /2/6/08

10/22/17/10/22/07

10/22/17/10/22/07

Choring 9/1/07 Cubic
Chrom
Choring 10/102

255 2/9/07 5, lver/5, ler

P 12/9/67 Gilver 2 Continues overgray

wonto Hypochlante Ivorgan of container c ledo PINCOMPONIE C. Flamold

Oxidizer/ston adjent

590l to Flamould is of Pro preg

16/23/67)
ne 3/17/04
Space
[18/04]
Space
[18 P 10/17/07 5550 Wenter Convenies Sold 1/14/05 and dido of Accimulation PrePray-MSDS Synthetic

9/14/16-130

RECORD REVIEW:

Biennial report: OKCON Weekly insp.: Weekle Inspection

Tank:

- daily insp.
- integrity
- certification
- 2ndry cont.
- leak detect.
- spill prev. controls (e.g. checkvalves)
- overfill prev. controls (e.g. level sensing, high level alarm, feed cutoff, bypass)

Manifests/LDRs:

Training plan:

- init./refresh. training

- training records
- job Titles
- pos. descriptions
- names filling pos.
- awareness (SQG)

Thered Penn

Jarof Jarof

RECORD REVIEW (cont.):

Contingency Plan:

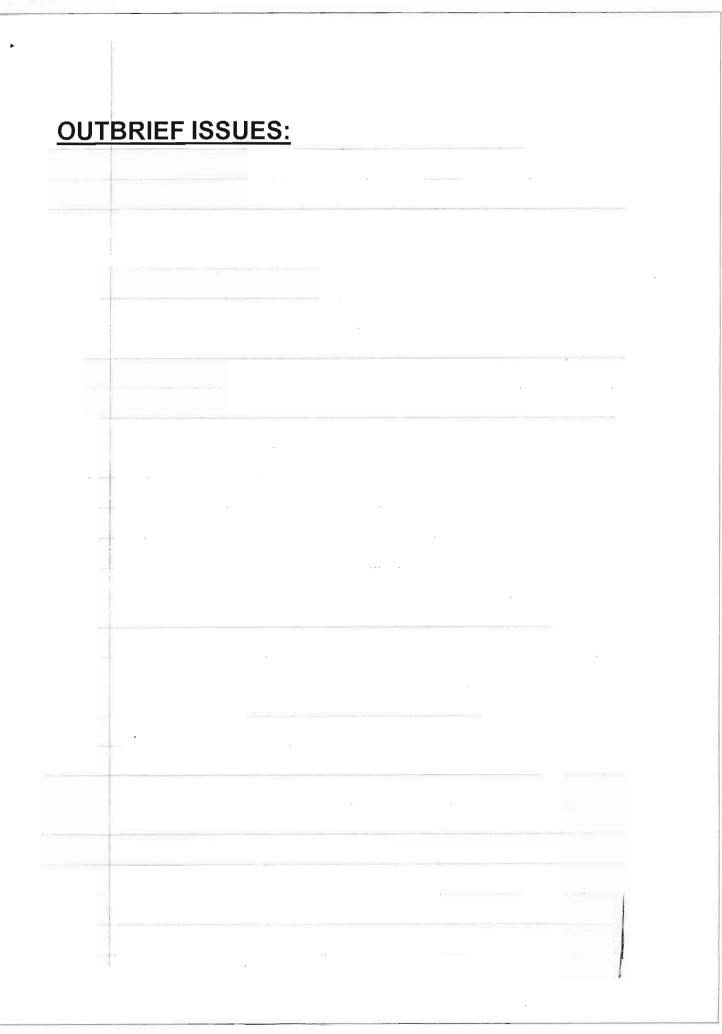
- actions to fire,
 explosions, releases
- evacuation plan
- equip. list/description
- equip. location
- equip. capability
- arrange. w/ local auth.
- emer. coord. (name, address, phone #, primary)
- emer. coord. name/#;
 loc. of fire ext., spill
 controls, alarms,
 # of fire dept. (SQG):

OX OX

Waste Determin.:

MSDS:

AA / BB / CC Doc .:



Opdated Vale Specificand Brang & Rivero System

Goodrich Corporate Mostly Spr. Week Consorate movins Live Where

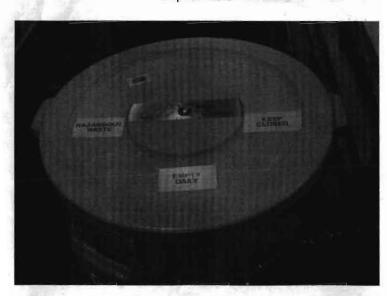
Red Can's Eliminated to day Cestfuls

Reduce

Sepplemental Zuv Program,



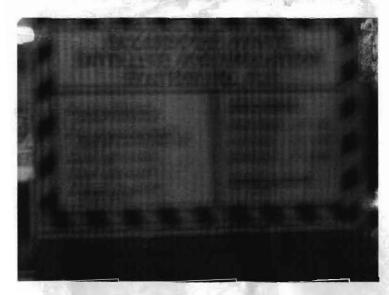
Caption here



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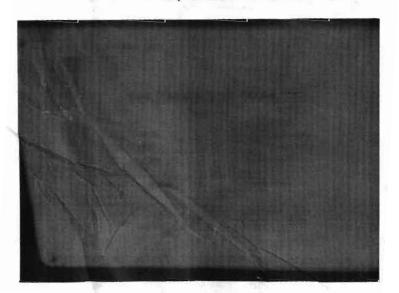
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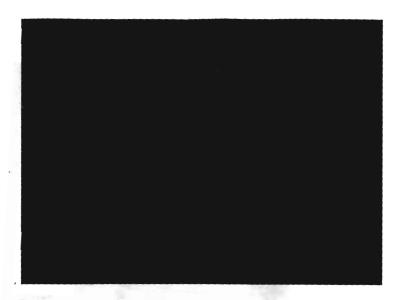
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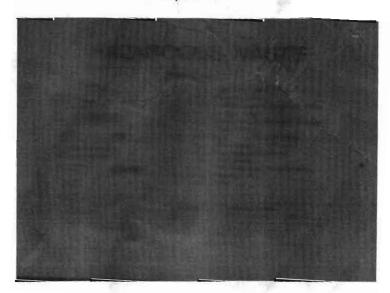
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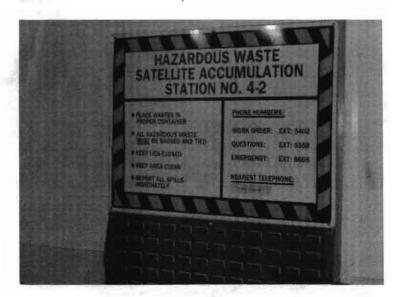
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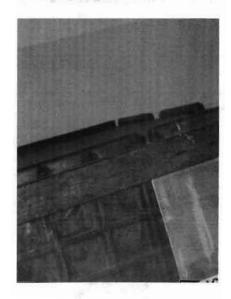
Caption here



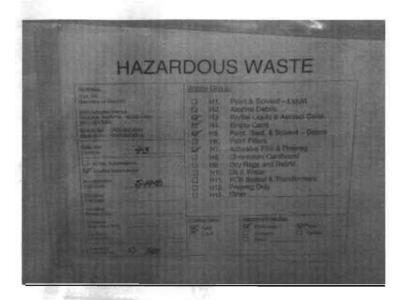
Caption here



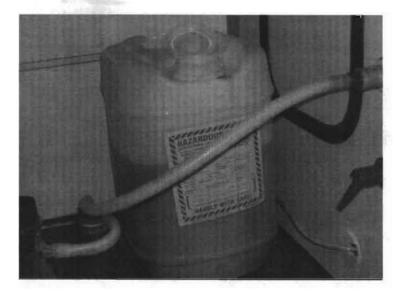
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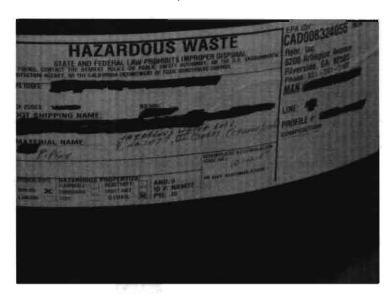
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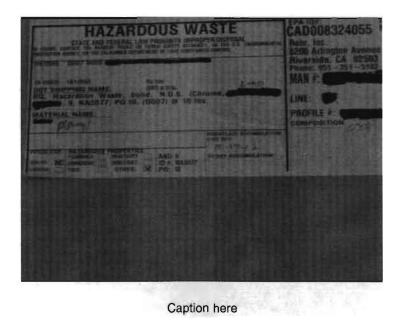
Caption here

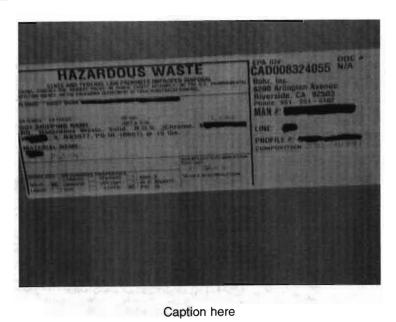


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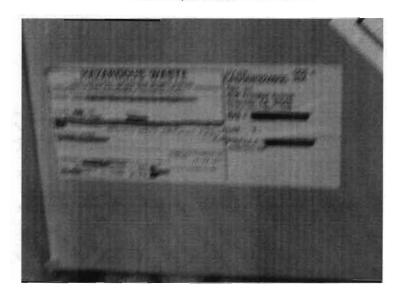




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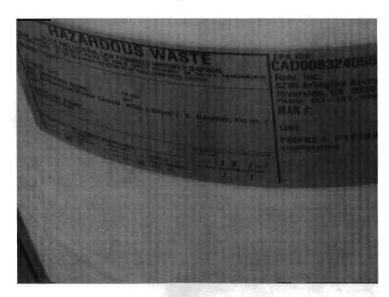
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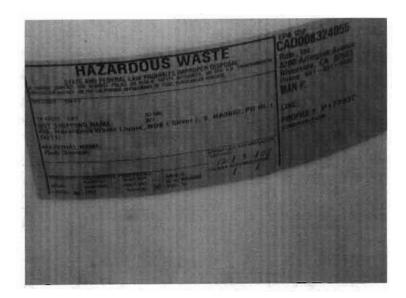
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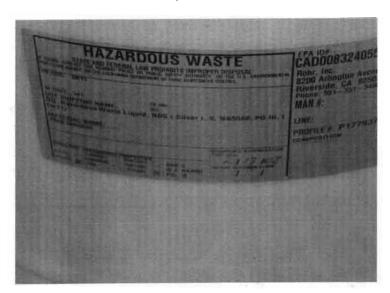
Caption here



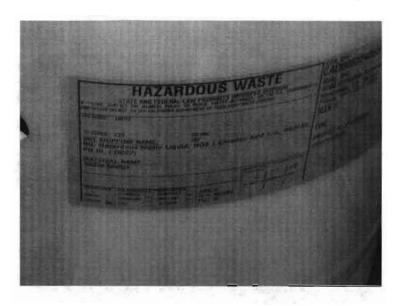
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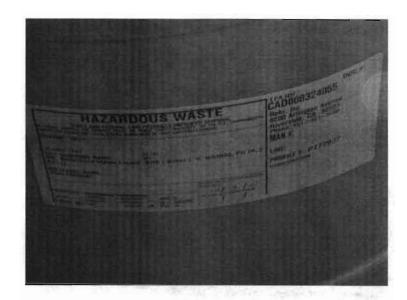
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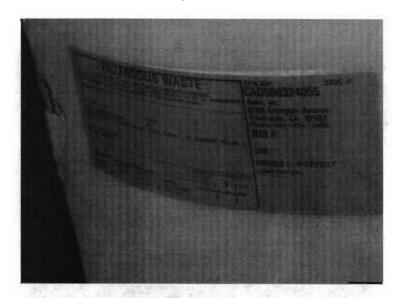
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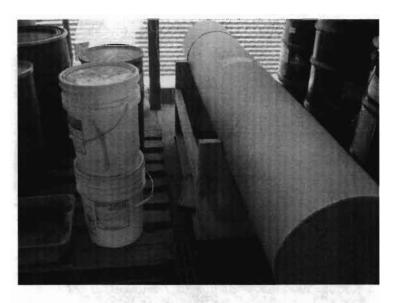
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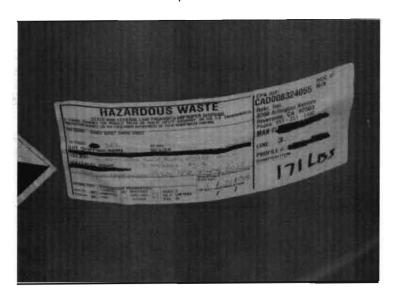
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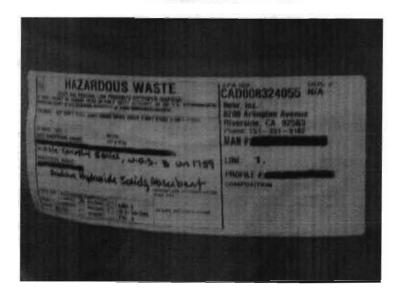
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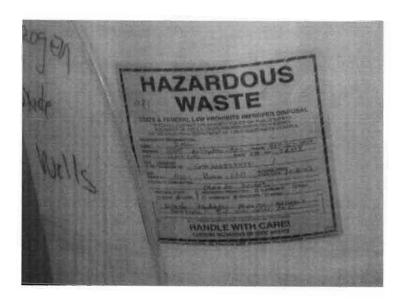
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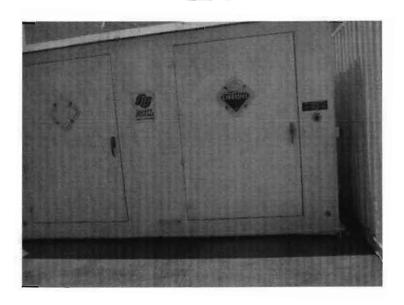
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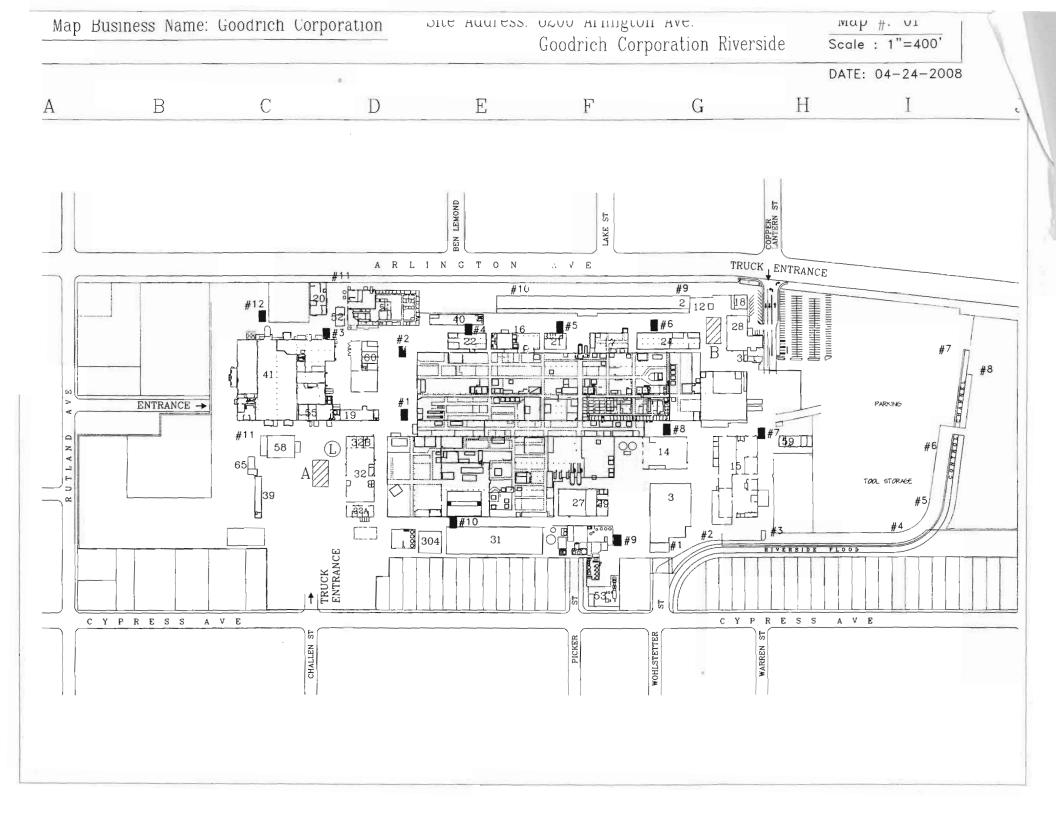


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		Job Salary		İ		
Benchmarked jobs	Job Code	Grade Band	FLSA	EEO1	Mgr Level	Description
						Monitors the removal of physical, biological and chemical hazards, and training of employees on safety policies, procedures and regulations. Verifies compliance with health and safety regulations and ensures all necessary records are maintained and prepared according to established guidelines. Manages the participation in OSHA inspections, providing inspectors with appropriate documents and identifying safety measures. Ensures projects are completed on time and within budget. Acts as advisor to health and safety administration team regarding projects, tasks, and operations. Requires a bachelor's degree and at least 10 years of experience in the field or in a related
Mgr I, EHS	EH3008	10 WG	<u>,E</u>	Officials and Managers	Manager	area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required.
Mgr II, EHS	ЕҢ3009		· · · · · · · · · · · · · · · · · · ·	Officials and Managers	Manager	Monitors the removal of physical, biological and chemical hazards, and training of employees on safety policies, procedures and regulations. Verifies compliance with health and safety regulations and ensures all necessary records are maintained and prepared according to established guidelines. Manages the participation in OSHA inspections, providing inspectors with appropriate documents and identifying safety measures. Ensures projects are completed on time and within budget. Acts as advisor to health and safety administration team regarding projects, tasks, and operations. Requires a bachelor's degree and at least 15 years of experience in the field or in a related area. Familiar with standard concepts, practices, and procedures within a particular field. Relies on extensive experience and judgment to plan and accomplish goals. Performs a variety of complex tasks. A certain degree of creativity and latitude is required.
Occupational Health Nurse I		TI WO.	N.	Service Worker	Non-manager	Provides professional nursing care for the comfort and well-being of employees. Prepares equipment and assists physicians during examinations and treatments. Observes and maintains records on patient care, condition, reactions and progress. Assists in developing



					_
7/23/2007	Non-RCRA Hazardous Waste, Liquid (Oily Water)	46,780	Pounds	NA	223
	Non-RCRA Hazardous Waste, Liquid (Oily Water)		Pounds	NA	223
3/11/2007	Non-non in nazardous waste, Elquid (Oily Water)	44,023	rounds	1147	
10/10/2007	Non-RCRA Hazardous Waste, Liquid (Oily Water)	44,246	Pounds	NA	223
10/29/2007	Non-RCRA Hazardous Waste, Liquid (Oily Water)	36,800	Pounds	NA .	223
10/23/2007	Noishora nazardous waste, Liquid (Oily Water)		Pourius	INA	223
12/14/2007	Non-RCRA Hazardous Waste, Liquid (Oily Water)	39,820	Pounds	NA	223
12/28/2007	Non-RCRA Hazardous Waste, Liquid (Oily Water)	39,995	Pounds	NA_	223
2/6/2008	Non-RCRA Hazardous Waste, Liquid (Oily Water)	4,600	Gallons	NA	223
2/20/2008	 Non-RCRA Hazardous Waste, Liquid (Oily Water)	42,080	Pounds	NA	223
2/25/2000	Non-RCRA Hazardous Waste, Liquid (Oily Water)	42,000	Fourius	INA	
1/9/2007	Tetraborate, Water)	_5,315	Gallons	NA _	135
	Non-RCRA Hazardous Waste, Liquid (Sodium				
1/10/2007	Tetraborate, Water)	3,230	Gallons	NA	135
	Non-RCRA Hazardous Waste, Liquid (Sodium				
3/7/2007	Tetraborate, Water)	750	Pounds	NA	135
1/24/2007	Non-RCRA Hazardous Waste, Liquid (Waste Oil)	421	Pounds	NA	221
1/24/2007	Non-RCRA Hazardous Waste, Liquid (Waste Oil)	132	Pounds	NA	221
5/25/2007	Non-RCRA Hazardous Waste, Liquid (Water, Paint)	800	Gallons	NA	135
	Non-RCRA Hazardous Waste, Liquid, (Ethylene			T = T	
10/4/2007		608	Pounds	NA	331
1/4/2007	Non-RCRA Hazardous Waste, Solid (Soil, Chrome)	20	Yards	NA	352
	Non-RCRA Waste, Liquid (Ethylene Glycol)		Pounds	NA	331
	Non-RCRA Waste, Liquid (Mixed Used Oil)		Pounds	NA	221
11/0/2007	Non-Regulated Material (Residue Last Containing		, ounds	140	
10/4/2007	Oil/Coolant)	_397	Pounds	NA	512
	Non-Regulated Material (Residue Last Containing			Ī	
11/9/2007	Oil/Coolant)	105	Pounds	NA	512
3/9/2007	Waste Corrosive Liquid Basic Inorganic (Phosphoric Acid, Water)	700	Gallons	D002	791
	Waste Corrosive Liquid Basic Inorganic (Sodium				
2/14/2007	Hydroxide, Water)	8	Pounds	D002	122
	Waste Corrosive Liquid, Acidic Inorganic NOS			D002,	1
8/22/2007	(Hydrochloric Acid, Chromic Acid)	111	Pounds	D007	551
10/22/2007	Waste Corrosive Liquid, NOS (Sodium Hydroxide)	29,560	Pounds	D002	123
				D001.	
2/14/2007	Waste Flammable Liquid Corrosive (Paint with Amines)	70	Pounds	D002	331
	Waste Flammable Liquid Toxic		Pounds	D002	331
	Waste Fusee	5	Pounds	D001	141
	Waste Mercury		Pounds	D009	181(?)
	Waste Oxidizing Liquid (Ammonium Nitrate, Water)				
5/9/2007	wasie Oxidizing Liquid (Animonium Nitrate, Water)	40	Pounds	D001	551

26,943

294,346

2/14/2007	Waste Oxidizing Solid (Sodium Hydochlorite)	T	5 Pounds	D001	551
				D001,	1
				D007,	1
				D008,	
2/5/2007	Waste Paint Related Material	920	Pounds	D035	343
				F001,	
			1	F002,	1
	·			F003,	
				F005,	
2/5/2007	Waste Paint Related Material	5,360	Pounds	D008	461
				D001,	
				D007,	
				D008,	
3/28/2007	Waste Paint Related Material	780	Pounds	D035	343
				F001,	
				F002,	
				F003,	
			I	F005,	
3/28/2007	Waste Paint Related Material	7,046	Pounds	D008	461
				D001,	
				D007,	1
	L <u>_</u>		<u> </u> .	D008,	
5/29/2007	Waste Paint Related Material	700	Pounds	D035	343
			1	F001,	1
		1		F002,	1
				F003,	
= 100 1000 -	Marke Beint Belated Material	F 070	D	F005,	404
5/29/2007	Waste Paint Related Material	5,370	Pounds	D008	461
			1	D001,	
		1	1	D007, D008,	
7/23/2007	Waste Paint Related Material	1,538	Pounds	D008,	343
112312001	TTASIC I GIIIL FICIALEO IVIALEIRAI	1,000	Tourids	D001,	343
				D001,	
		1		D007,	
9/14/2007	Waste Paint Related Material	773	Pounds	D035	343
J. 172001	The state of the s	 	1	F001,	
				F002,	
				F003,	
		1		F005,	}
9/14/2007	Waste Paint Related Material	4,094	Pounds	D008	461
				D001,	
				D007,] [
				D008,	
10/4/2007	Waste Paint Related Material	770	Pounds	D035	343

				F001.	T
l			1	F002.	1
1	Hazardous Waste Solid NOS (Chrome, Methyl		1	F003.	Į.
10/0/2007	Ethyl Ketone)	16,749	Pounds	F005	181, 352
	Hazardous Waste, Liquid (Chrome, Oil)		Pounds	D007	121
	Hazardous Waste, Equid (Chrome, Oil)		Pounds	D007	221
	Hazardous Waste, Liquid (Chrome, Oil)		Pounds	D007	221
	Hazardous Waste, Liquid (Crirottie, Oil) Hazardous Waste, Liquid (Silver Fixer)		Pounds	D011	541
5/9/2007	nazardous wasie, Liquid (Silver Fixer)	490	Pounds	10011	541
	Hazardous Waste, Liquid (Strontium Chromate, Water)		Pounds	D007	134
	Hazardous Waste, Liquid, NOS (Chrome, Oil)	11,573	Pounds	D007	221
8/22/2007	Hazardous Waste, Liquid, NOS (Chrome, Oil)	5,272	Pounds	D007	221
6/27/2007	Hazardous Waste, Liquid, NOS (Chrome, Water)	939	Pounds	D007	134
	Hazardous Waste, Liquid, NOS			U228,	
6/27/2007	(Trichloroethylene, 1-4 Dioxane)	25,755	Pounds	U108	211
	Hazardous Waste, Liquid, NOS			U228,	
8/22/2007	(Trichloroethylene, 1-4 Dioxane)	3,820	Pounds	U108	3820
	Hazardous Waste, Liquid, NOS			U228,	
11/9/2007	(Trichloroethylene, 1-4 Dioxane)	1,783	Pounds	U108	3820
3/2/2007	Hazardous Waste, Solid (Soil with Trichloroethene)	20	Yards	U228	611
	Hazardous Waste, Solid (Soil with Trichloroethene)	20	Yards	U228	611
10/4/2007	Non-RCRA Hazardous Waste Solid (CA 352)	76	Pounds	NA	352
11/9/2007	Non-RCRA Hazardous Waste Solid (CA 352)	89	Pounds	NA	352
	Non-RCRA Hazardous Waste Solid (Foray Spill				
11/9/2007	Clean-up)	210	Pounds -	NA	NA
1/4/2007	Non-RCRA Hazardous Waste Solid (Soil, Chrome)	20	Yards	NA	352
11/9/2007	Non-RCRA Hazardous Waste, Liquid (CA 134)	11,282	Pounds	NA	134
			İ	1	1
	Non-RCRA Hazardous Waste, Liquid (CA 343)	740	Pounds	NA	343
7/18/2007	Non-RCRA Hazardous Waste, Liquid (Coolant)	2,133	Pounds	NA	331,343
	Non-RCRA Hazardous Waste, Liquid (Mixed Used			1	
7/18/2007		433	Pounds	NA	221
0/00/000	Non-RCRA Hazardous Waste, Liquid (Mixed Used	400	<u> </u>	l	
8/22/2007		426	Pounds	NA	221
	Non-RCRA Hazardous Waste, Liquid (Mixed Used		<u>.</u> .	l	
10/4/2007	Olis)	420	Pounds	NA	221
				l	1
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)	5,000	Gallons	NA	223
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)		Gallons	NA	223
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)		Gailons	NA	223
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)		Gailons	NA	223
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)		Gallons	NA	223
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)		Gallons	NA	221,223
	Non-RCRA Hazardous Waste, Liquid (Oil, Water)		Gallons	NA	223
8/24/2007	Non-RCRA Hazardous Waste, Liquid (Oil, Water)	3,300	Pounds	NA	221,223

157,913

15,613

16,845

31,358

165

1,279

				EPA	
ı			ĺ	Waste	CA Waste
Date	Waste Description	Quantity	Units	Code	Code
	Corrosive Solid Acidic Inorganic (Phosphoric Acid				
7/18/2007	Debris)	474	Pounds	NA	181
6/27/2007	Corrosive Solid NOS (Sodium Hydroxide)	8	Pounds	NA	181
	Environmental Hazardous Substance				
8/22/2007	(Polychlorinated Biphenyls, Capacitors)	6	Kilograms	NA_	261
	Environmental Hazardous Substance				
8/22/2007	(Polychlorinated Biphenyls, Light Ballast)	86	Kilograms	NA	
	Environmentally Hazardous Substances NOS				
5/9/2007	(Polychlorinated Biphenyls, Capacitors)	55	Kilograms	NA	261
i	Environmentally Hazardous Substances NOS				
1/4/2007	(Polychlorinated Biphenyls, Concrete)	20	Yards	NA	261
5,0,000	Environmentally Hazardous Substances NOS	105	123		
5/9/2007	(Polychlorinated Biphenyls, Light Ballast)	165	Kilograms		261
1				F001,	l
	Harandaya Masta Calid NOC (Chroma Mathy)	1		F002,	
0/5/0007	Hazardous Waste Solid NOS (Chrome, Methyl	04.000	Darmala	F003,	101 050
2/5/2007	Ethyl Ketone)	24,600	Pounds	F005	181, 352
1		ĺ		F001,	J
1	Hannada on Marks Calla NOO (Observe Marks 4	1		F002,	
	Hazardous Waste Solid NOS (Chrome, Methyl	00.000	Danie de	F003,	104 050
3/28/2007	Ethyl Ketone)	20,290	Pounds	F005	181, 352
		1		F001,	
	N			F002,	
	Hazardous Waste Solid NOS (Chrome, Methyl	00.400		F003,	101 050
5/29/2007	Ethyl Ketone)	23,180	Pounds	F005	181, 352
1		}		F001,	
	Hannada a Manta Calla NOC (Ob as as a Marked	İ		F002,	1
	Hazardous Waste Solid NOS (Chrome, Methyl			F003,	
7/23/2007	Ethyl Ketone)	23,685	Pounds	F005	181, 352
	·	ŀ		F001,	
		1		F002,	
0/4 4/0007	Hazardous Waste Solid NOS (Chrome, Methyl	00.000		F003,	101 050
9/14/2007	Ethyl Ketone)	20,029	Pounds	F005	181, 352
l				F001,	
				F002,	
	Hazardous Waste Solid NOS (Chrome, Methyl			F003,	
10/4/2007	Ethyl Ketone)	12,292	Pounds	F005	181, 352
				F001,	
1	L			F002,	
	Hazardous Waste Solid NOS (Chrome, Methyl			F003,	
11/9/2007	Ethyl Ketone)	15,635	Pounds	F005	181, 352
i		1		F001,	
				F002,	
1 .	Hazardous Waste Solid NOS (Chrome, Methyl			F003,	
11/9/2007	Ethyl Ketone)	1,453	Pounds	F005	181, 352